	Application No.	Applicant(s)	
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Notice of Allowability	10/713,577	PARK ET AL.	
	Examiner	Art Unit	_]
	David Nhu	2818	Ar
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	plication. If not include will be mailed in due o	d course. THIS
1. This communication is responsive to 11/26/04.			
2. ☑ The allowed claim(s) is/are <u>16-27</u> .			
3. The drawings filed on 12 November 2003 are accepted by	the Examiner.		
 4.			
 Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 02 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material 	5. ☐ Notice of Informal P 6. ☐ Interview Summary Paper No./Mail Dat 8), 7. ☒ Examiner's Amendr 8. ☒ Examiner's Stateme 9. ☐ Other	(PTO-413), te ment/Comment	
	De	wiPa	

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EXAMINER'S AMENDMENT

1. Applicant's election of claims 16-27 is acknowledged. Because Applicant did not distinctly

and specifically point out the supposed error in the restriction requirement, the election has been

treated as an election without traverse (MPEP § 818.03(a)). Applicant have the right to file a

divisional application covering the subject matter of the non-elected claims 1-15.

The traversal is on the ground(s) that see the election paper. This is not found persuasive

because the fields of search for method' and device claims are NOT coextensive and the

determinations of patentability of method and device claims are different, that is process

limitations and device limitations are given weight differently in determining the patentablitity

of the claimed inventions. Also, the strategies for doing text searching of the device claims and

method claims are different. Thus, separate searches are required.

The requirement is still deemed proper and is therefore made FINAL.

2. An examiner's amendment to the record appears below. Should the change and/or

additions be unaceptable to applicant, an amendment may be filed as provided by 37 CFR

1.312. To ensure consideration of such an amendment, it MUST be submitted no later than

the payment of the issue fee.

The application has been amended as follows:

Cancel claims 1-15.

REASONS FOR ALLOWANCE

3. Claims 16-27 are allowed.

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4. The following is an examiner's statement of reasons for allowance: None of the references of record teaches or suggests as cited in claims 1: forming a composite dielectric layer on the lower electrode, the composite dielectric layer including an Al₂O₃ dielectric layer having a first thickness and an HfO₂ dielectric layer having a second thickness, the second thickness being smaller than or equal to the first thickness.

5. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

CONCLUSION

- 6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure: Halliyal et al (6,674,138 B1): Use of High K Dielectric Materials in Modified ONO Structure for Semiconductor Devices.
- 7. Any inquiry concerning this communication on earlier communications from the examiner should be directed to David Nhu, (571)272-1792 The examiner can normally be reached on Monday-Friday from 7:30 AM to 5:00 PM.

The examiner's supervisor, David Nelms can be reached on (571)272-1787

The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956

David Nhu

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December 2, 2004

DAVID NHU